

 <p>CARLO GAVAZZI</p> <p>CARLO GAVAZZI SPACE SpA</p>	<p>AMS02-PDS</p>	<p>DOC N°: PDS-RP-CGS-035</p> <p>ISSUE : 1 DATE: 07/07/2008</p> <p>PAGE : 1 of 2</p>
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INSPECTION REPORT

<p>APPLICABLE DOC. REF.</p> <p>AMS02-PDS PFM Manufacturing and Inspection Plan PDS-PL-CGS-001 is. 1</p>	<p>PROC. REF.</p> <p>N.A.</p>
<p>ITEM INSPECTED (Name, P/N, S/N) AMS02-PDS PFM – Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:06— Inspection Point.</p>	
<p>REQUIREMENT SATISFIED</p> <p>Manufacturing according to aerospace standards</p>	
<p>INSPECTION (Action/Results)</p> <p>DESCRIPTION</p> <p>Inspection was performed at Carlo Gavazzi Space premises starting on 7 July 2008 and was carried out on the following board, detail of the inspected board was below reported:</p> <p>1) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:06 (pcb s/n:07-035/B).</p>	
<p>HARDWARE REVIEW</p> <p>1) Esem 3-A Board Assy p/n:11-AMS02PDS-300.00 s/n:06 (pcb s/n:07-035/B), Assy:11-AMS02PDS-300.00 rev./, Parts List:11-AMS02PDS-300.01 rev.A, Electrical Scheme:11-AMS02PDS-300.02 rev./, Master PCB:11-AMS02PDS-300.03 rev./.</p>	
<p>The following NCR were presented during the inspection:</p> <ul style="list-style-type: none"> • NCR-PDS-CGS-C-022(mechanical assembly problems), NCR classified "minor" is closed. • NCR-PDS-CGS-C-049(rubber silicon sheet missing under U22 component), NCR classified "minor" is closed. • NCR-PDS-CGS-C-066(D54 missing connection), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: connect D54 cathode pad to C135, perform a visual inspection of the previous rework, glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework. • NCR-PDS-CGS-C-078(voltage supply of U3 not correct), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: dismount R484 and R485, connect R484 pad to C54 pad, connect R485 pad to C57 pad, perform a visual inspection of the previous rework, glue the added wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework. 	
<p>The following PLVSs (Parts List Variation Sheet) were presented during the inspection:</p> <ul style="list-style-type: none"> • 11-AMS02PDS-300.01 rev A – A1 can be considered closed. • 11-AMS02PDS-300.01 rev A – A6 can be considered closed • 11-AMS02PDS-300.01 rev A – A7 can be considered closed. • 11-AMS02PDS-300.01 rev A – A8 can be considered closed. 	
<p>Operator</p> <p>Signature</p> <p>Date</p>	<p>Quality Assurance</p> <p>C.C.</p> <p><i>E. FRANCINI</i></p> <p><i>07/07/08</i></p> <p><i>C. CINQUEPACI</i></p> <p><i>07/07/08</i></p>

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INSPECTION REPORT

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ITEM INSPECTED (Name, P/N, S/N) See page 1

REQUIREMENT SATISFIED

See page 1

INSPECTION (Action/Results)

- 11-AMS02PDS-300.01 rev A – A21 can be considered closed.
- 11-AMS02PDS-300.01 rev A – A22 can be considered closed.

On the pcb the following components are not mounted: U6 (AD590) and U25 (A1020B-CQ84B FPGA).

The H/W has been visually inspected and is ok: no damage, visible clean is ok.

CONCLUSION

All solder joints are of adequate quality, the soldering process complies to ECSS-Q-70-08 and ECSS-Q-70-38.
The open points are here listed:

- 1) NCR-PDS-CGS-C-066(D54 missing connection), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: connect D54 cathode pad to C135, perform a visual inspection of the previous rework, glue the added wire with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- 2) NCR-PDS-CGS-C-078(voltage supply of U3 not correct), NCR classified "minor" is still open during the inspection activity, the following corrective actions will be performed: dismount R484 and R485, connect R484 pad to C54 pad, connect R485 pad to C57 pad, perform a visual inspection of the previous rework, glue the added wires with adhesive EC 2216 B/A, perform a visual inspection of the previous rework.
- 3) On the pcb the following components are not mounted: U6 (AD590) and U25 (A1020B-CQ84B FPGA).

Operator	Quality Assurance	C.C.
Signature	E. FRANCINI	C. CINQUEPALMI
Date	07/07/08	e. Cinquepalmi 7/7/08